Puerto Rico Coal Ash Site Sampling **November 8, 2011**

Objective

Collect a groundwater grab samples at each of six sites at which coal ash has been placed on land, to evaluate potential ground water contamination from leaching of hazardous constituents. Collect a background grab samples at each site to allow assessment calculation of "significant" contamination levels using the CERCLA standard (i.e., three times background constituent levels or constituent detection if constituents not detected at background).

Method

Utilize temporary bore holes (i.e., "Hydropunch") to sample within and below ash placement perimeter and at upgradient locations where no ash placement has occurred. Analyze for total metals to determine presence of target analytes Antimony, Arsenic, and Selenium, as well as other metals which may be present. Also analyze for Boron if not included in total metals analysis. Utilize existing EQB ground water table measurements to establish approximate drill depths, as Hydropunch equipment must sample a minimum of five feet below water table.

Sites

1) Marbella Housing Development (X -66.29 Y 17.97)

2) Santa Paulo Oil Construction Site (X 17.99 Y -66.22)

3) AES Well Field (X 17.97 Y -66.14)

4) Los Recreos Plaza (X 17.98 Y -66.13)

5) Eta Sigma Alpha, Inc., Construction Site (X 17.97 Y -66.04)

6) Rt. 3, Km 128.4 Carlos Roman Construction Site